

Title (en)
ENGINEERED WATERPROOF FLOORING AND WALL COVERING PLANKS

Title (de)
WASSERDICHTHE MANIPULIERTE BODEN- ODER WANDBESCHICHTUNGSBRETTER

Title (fr)
PLANCHES DE REVÊTEMENT DE COUVRE-SOL ET DE PAROI MANIPULÉES POUR ÊTRE ÉTANCHES À L'EAU

Publication
EP 2909023 B1 20231220 (EN)

Application
EP 13849110 A 20130913

Priority
• US 201213657750 A 20121022
• US 2013059636 W 20130913

Abstract (en)
[origin: US2014109507A1] Waterproof engineered floor and wall planks have a wear layer and an underlayer about an extruded dust and plastic composite core.

IPC 8 full level
B32B 3/02 (2006.01); **E04F 15/02** (2006.01)

CPC (source: CN EP IL RU US)
B32B 3/02 (2013.01 - EP IL US); **B32B 3/06** (2013.01 - EP IL US); **B32B 3/26** (2013.01 - IL US); **B32B 3/30** (2013.01 - IL US);
B32B 5/18 (2013.01 - EP IL US); **B32B 7/12** (2013.01 - CN EP IL US); **B32B 9/002** (2013.01 - CN EP IL US); **B32B 9/02** (2013.01 - CN EP IL US);
B32B 9/045 (2013.01 - CN); **B32B 21/04** (2013.01 - EP IL US); **B32B 21/08** (2013.01 - CN IL US); **B32B 21/12** (2013.01 - IL US);
B32B 21/14 (2013.01 - EP IL US); **B32B 23/04** (2013.01 - IL); **B32B 23/08** (2013.01 - IL); **B32B 25/04** (2013.01 - EP IL US);
B32B 25/08 (2013.01 - CN IL US); **B32B 27/06** (2013.01 - CN EP IL US); **B32B 27/08** (2013.01 - IL US); **B32B 27/20** (2013.01 - CN EP IL US);
B32B 27/30 (2013.01 - CN); **B32B 27/304** (2013.01 - CN EP IL US); **B32B 27/32** (2013.01 - CN EP IL US); **B32B 27/40** (2013.01 - CN);
B32B 27/42 (2013.01 - CN); **B32B 29/00** (2013.01 - EP IL US); **B32B 33/00** (2013.01 - CN); **E04B 1/6137** (2013.01 - CN);
E04B 1/66 (2013.01 - CN); **E04C 2/12** (2013.01 - EP IL US); **E04C 2/20** (2013.01 - EP IL US); **E04C 2/243** (2013.01 - EP IL US);
E04C 2/246 (2013.01 - EP IL); **E04C 2/28** (2013.01 - EP IL US); **E04C 2/38** (2013.01 - IL); **E04C 2/40** (2013.01 - EP IL US);
E04F 15/02 (2013.01 - CN); **E04F 15/02038** (2013.01 - CN EP IL RU US); **E04F 15/02183** (2013.01 - IL US); **E04F 15/02188** (2013.01 - EP IL US);
E04F 15/042 (2013.01 - IL US); **E04F 15/102** (2013.01 - IL US); **E04F 15/107** (2013.01 - IL US); **E04F 15/18** (2013.01 - CN);
B32B 23/04 (2013.01 - US); **B32B 23/08** (2013.01 - US); **B32B 2250/02** (2013.01 - EP IL US); **B32B 2250/03** (2013.01 - EP IL US);
B32B 2250/04 (2013.01 - EP IL US); **B32B 2260/021** (2013.01 - EP IL US); **B32B 2260/046** (2013.01 - EP IL US);
B32B 2262/065 (2013.01 - EP IL US); **B32B 2262/067** (2013.01 - EP IL US); **B32B 2264/04** (2013.01 - IL US);
B32B 2264/065 (2013.01 - EP IL US); **B32B 2264/067** (2013.01 - EP IL US); **B32B 2307/536** (2013.01 - EP IL US);
B32B 2307/554 (2013.01 - CN EP IL US); **B32B 2307/7246** (2013.01 - EP IL US); **B32B 2307/73** (2013.01 - CN IL US);
B32B 2317/02 (2013.01 - EP IL US); **B32B 2317/16** (2013.01 - EP IL US); **B32B 2317/22** (2013.01 - EP IL US);
B32B 2318/04 (2013.01 - EP IL US); **B32B 2319/00** (2013.01 - EP IL US); **B32B 2323/04** (2013.01 - IL US); **B32B 2323/043** (2013.01 - EP IL US);
B32B 2327/06 (2013.01 - EP IL US); **B32B 2375/00** (2013.01 - EP IL US); **B32B 2386/00** (2013.01 - EP IL US);
B32B 2419/04 (2013.01 - CN IL US); **B32B 2471/00** (2013.01 - EP IL US); **B32B 2607/02** (2013.01 - IL US); **E04C 2/246** (2013.01 - US);
E04C 2/38 (2013.01 - US); **E04F 2201/0146** (2013.01 - IL US); **E04F 2201/023** (2013.01 - IL US); **E04F 2290/00** (2013.01 - IL US);
Y10T 428/239 (2015.01 - EP US); **Y10T 428/24488** (2015.01 - EP US); **Y10T 428/249982** (2015.04 - EP US);
Y10T 428/249991 (2015.04 - EP US); **Y10T 428/31551** (2015.04 - EP US); **Y10T 428/31569** (2015.04 - EP US);
Y10T 428/31573 (2015.04 - EP US); **Y10T 428/31591** (2015.04 - EP US); **Y10T 428/31598** (2015.04 - EP US);
Y10T 428/31667 (2015.04 - EP US); **Y10T 428/3167** (2015.04 - EP US); **Y10T 428/31674** (2015.04 - EP US); **Y10T 428/31833** (2015.04 - EP US);
Y10T 428/31855 (2015.04 - EP US); **Y10T 428/31862** (2015.04 - EP US); **Y10T 428/31895** (2015.04 - EP US);
Y10T 428/31902 (2015.04 - EP US); **Y10T 428/31906** (2015.04 - EP US); **Y10T 428/31935** (2015.04 - EP US); **Y10T 428/31982** (2015.04 - EP US)

Citation (examination)
US 2011167744 A1 20110714 - WHISPELL JOHN M [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014109507 A1 20140424; **US 9156233 B2 20151013**; AU 2013335260 A1 20150409; AU 2013335260 B2 20160623;
AU 2016203769 A1 20160623; AU 2016203769 B2 20171026; AU 2017239623 A1 20171026; AU 2017239623 B2 20190228;
BR 112015008945 A2 20170704; BR 112015008945 B1 20210727; CA 2883206 A1 20140501; CA 2883206 C 20190716;
CL 2015000961 A1 20150703; CN 104870178 A 20150826; CN 106988505 A 20170728; CN 107060258 A 20170818;
CN 107083832 A 20170822; CN 113404251 A 20210917; DK 2909023 T3 20240226; EP 2909023 A1 20150826; EP 2909023 A4 20160720;
EP 2909023 B1 20231220; ES 2971235 T3 20240604; IL 238235 A0 20150630; IL 238235 A 20170629; IL 252538 A0 20170629;
IL 252538 B 20200531; IL 252539 A0 20170629; IL 252539 B 20210429; IL 252540 A0 20170629; IL 252540 B 20210831;
MX 2015004710 A 20151012; MX 2020013077 A 20210129; MX 2020013078 A 20210129; MX 2020013079 A 20210129;
NZ 707285 A 20170929; NZ 725362 A 20171222; NZ 737535 A 20190125; PL 2909023 T3 20240422; PT 2909023 T 20240228;
RU 2015112353 A 20161027; RU 2016140462 A 20180419; RU 2605477 C2 20161220; RU 2676345 C2 20181228;
US 10024066 B2 20180717; US 10787822 B2 20200929; US 11486149 B2 20221101; US 11753832 B2 20230912; US 12129665 B2 20241029;
US 2015072102 A1 20150312; US 2015337543 A1 20151126; US 2016145876 A1 20160526; US 2019078336 A1 20190314;
US 2020385999 A1 20201210; US 2023014999 A1 20230119; US 2023366214 A1 20231116; US 2024417982 A1 20241219;
US 9193137 B2 20151124; US 9234357 B2 20160112; WO 2014065953 A1 20140501; ZA 201502453 B 20161026; ZA 201604519 B 20190227

DOCDB simple family (application)
US 201213657750 A 20121022; AU 2013335260 A 20130913; AU 2016203769 A 20160606; AU 2017239623 A 20171006;
BR 112015008945 A 20130913; CA 2883206 A 20130913; CL 2015000961 A 20150416; CN 201380055155 A 20130913;
CN 201610960848 A 20130913; CN 201610960863 A 20130913; CN 201610963219 A 20130913; CN 202011473540 A 20130913;
DK 13849110 T 20130913; EP 13849110 A 20130913; ES 13849110 T 20130913; IL 23823515 A 20150412; IL 25253815 A 20150412;
IL 25253817 A 20170525; IL 25253917 A 20170525; IL 25254017 A 20170525; MX 2015004710 A 20130913; MX 2020013077 A 20150414;
MX 2020013078 A 20150414; MX 2020013079 A 20150414; NZ 70728513 A 20130913; NZ 72536213 A 20130913; NZ 73753513 A 20130913;

PL 13849110 T 20130913; PT 13849110 T 20130913; RU 2015112353 A 20130913; RU 2016140462 A 20130913; US 2013059636 W 20130913;
US 201414542031 A 20141114; US 201514816181 A 20150803; US 201514980235 A 20151228; US 201816037939 A 20180717;
US 202016947992 A 20200827; US 202217947475 A 20220919; US 202318227188 A 20230727; US 202418820975 A 20240830;
ZA 201502453 A 20150413; ZA 201604519 A 20160704